

THE SECRET OF THE HENDERSHOT MOTOR

Revealed by

UTILITY ENGINES
P. O. Box 117
Bergenfield, N. J.

Price \$3.75

PREFACE

The Hendershot Motor was the first motor of its kind to run without any **EXTERNAL** source of energy, but ran on the current produced by the Earth's Magnetic Lines of Force, and we wish in these pages of drawings and explanations to show you, that you can build this motor, and many other versions of it, such as a motor run as a Full-wave rectifier, which in essence the Hendershot Motor really is; A **RECTIFIER OF THE EARTH'S MAGNETIC LINES OF FORCE**, consisting of: an armature of a two-current type equipped with a commutator, is rotated in the Earth's field. These coils are placed where magnetic disturbances are at a minimum. Around the coils is an electromotive permanent circular magnet around which is wound, coils running in a direction opposite those of the coils of the armature, causing the magnetic lines of force to "touch" therefore causing the armature to rotate in the direction opposite to that of the Earth's rotation. Induction is therefore set up between the armature and coil wound around the Magnetic Ring, sending the induced current to a field and armature as that of a conventional type electric motor i.e. the armature of the motor being the same as that of the two-current armature, i.e., they are both mounted in tandem on the same shaft. The Permanent Magnetic ring is used to sensitize the area of the coil's induction for gravitational currents. Coils are wound and connected to produce a closed circuit.

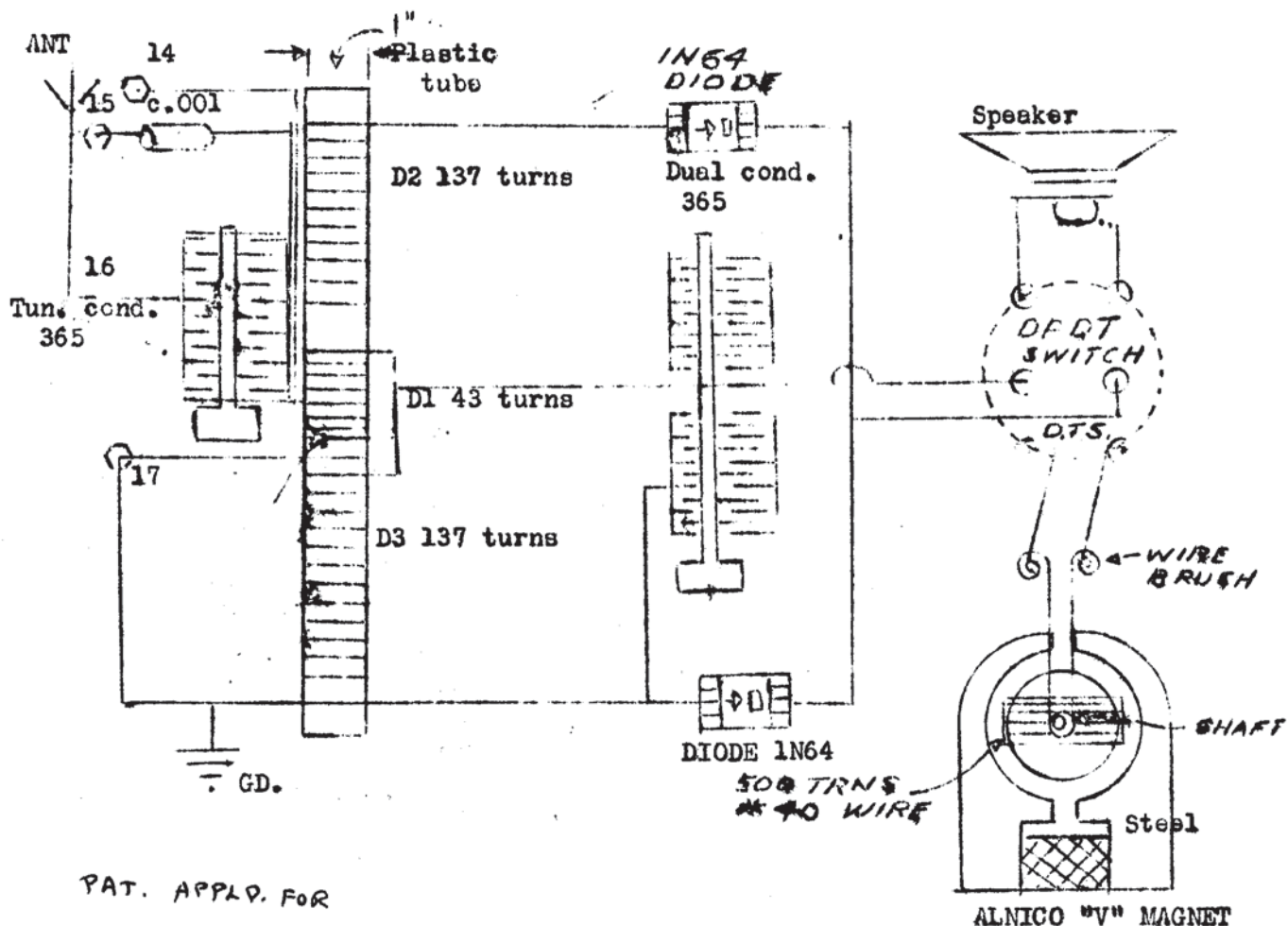
The principle of the Hendershot Motor having been derived from the Earth Inductor Compass, the principle working on the fact that the shifting of the field from East to West caused the rotary motion, the same force being the one that pulls the compass needle. With a premagnetic core, he set up a field that indicated true N.

The principle also having been derived from the aircraft Earth Inductor Compass, 8.3., by cutting the same line of magnetic force N & S he indicated true N, and by cutting the magnetic fields E & W he developed a rotary motion. The winding of the magnet in the motor was so that it would rotate in the opposite direction of the Earth's rotation. The motor was stopped by breaking the magnetic field on the windings.

A. D' ANGELC, a priest, from Spain: ION Energy; Made use of inter-atomic energy to generate many times the power it receives originally from an electric battery. It started to develop energy from an electric battery and this impulse originally started by the battery started a generator which generated many times its power through the electricity produced by the inter-atomic energy of the ION.

VERSION #2 OF THE HENDERSHOT MOTOR

The self-energized motor is made to operate by sending the rectified energy of the Magnetic Lines of Force through many turns of copper wire rotating in a powerful magnetic field between the soft iron armature and the two steel poles within which field is inserted a piece of Alnico V permanent Magnet. (Cont'd next page)



Alnico V has an external energy of 5,000,000 and is the best type for use in this kind of motor.

The pick-up circuit used in this Magnetic Motor is sensitive and selective and is unusually unique in that it uses two diode rectifiers no's. IN64 in a push-pull idea. The efficiency is further enhanced by tuning the antenna coil as both halves of the secondary. The D. C. output will astonish the greatest electrical engineers in the world.

Two IN64 Germanium Diode Rectifiers are used. The primary coil D1 is wound between the two D2 & D3 of the secondary coil. The main tuning capacitor is a dual 365 MUF. The primary coil is tuned separately by means of a single 365 MUF variable gap. For RADIO frequencies of lower than 850 KHz, a fixed .001 MUF by-pass is used, and connected in parallel with the primary trimmer by plugging the ant. #15 and short #15 & #16 together.

The coil is wound in three sections on a piece of plastic 8" tube, 3" long, and the coil turnings being closely wound. D2 & D3 having 137 turns each, and D1 having 43 turns of #32 enameled copper wire each. The inner ends of D2 & D3 connected together and to the rotors of the main tuning condenser. Coils to be spaced 1/8" apart.

The Germanium Diode rectifiers IN64 are connected with their own leads between the stator lugs of the tuning condenser and one of the speaker jacks E1. (Cont'd next page)

The Geranium Diode rectifiers polarity circuit is to be carefully observed on the schematic drawing.

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OPPORTUNITY FOR AN INCOME FROM
ROYALTIES

If your design around these principles of our Magnetic Motor are one of those accepted for manufacture and sale, you will receive from UTILITY ENGINES a patent contract to receive a royalty of 5 per cent of all manufacturers sales of the model designed by you.

YOUR DESIGNS AND MODELS MUST MEET THE FOLLOWING REQUIREMENTS IN ORDER TO QUALIFY FOR A ROYALTY CONTRACT.

- (a) It must a a new idea, workable, and have more power for practical applications.
- (b) Designs & models must be complete, and if disclosed to other outside sources, will not be considered. Your design must be patentable in the United States.
- (c) It must be practical and inexpensive to manufacture.

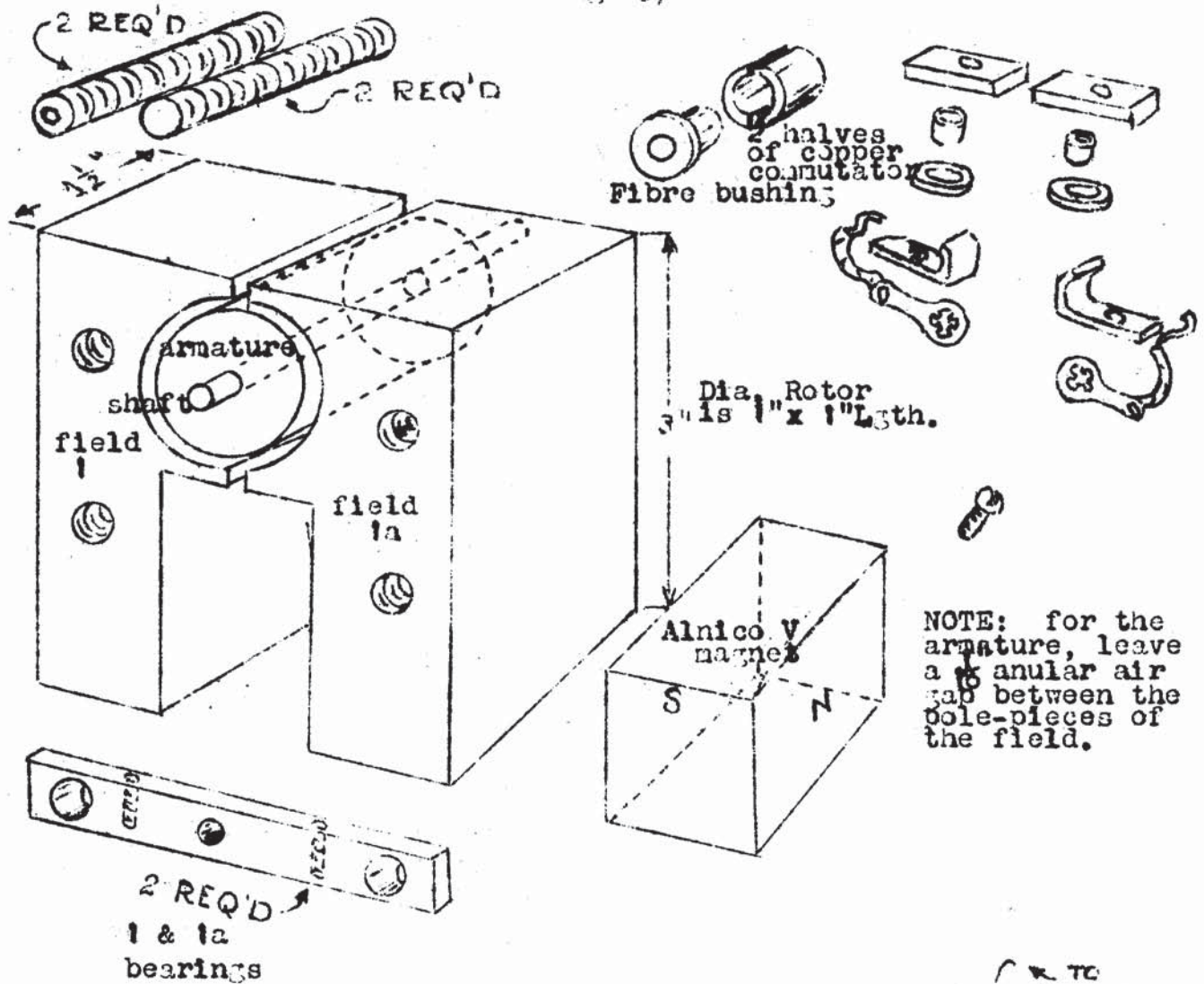
IF YOU HAVE ANY DIFFICULTY IN ACQUIRING
ANY OF THE NEEDED MATERIALS & SUNDRIES?
PLEASE WRITE TO US AND WE WILL TELL YOU
WHERE THEY ARE AVAILABLE. IF THERE ARE
ANY OPERATING DIFFICULTIES WHEN YOU HAVE
BUILT YOUR MOTOR WE SHALL BE HAPPY TO
RENDER ANY HELPFUL HINTS. YOURS FOR MORE
AND BETTER SCIENTIFIC RESEARCH,

UTILITY ENGINES

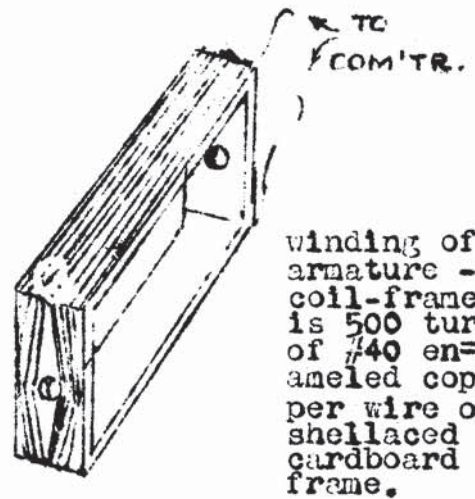
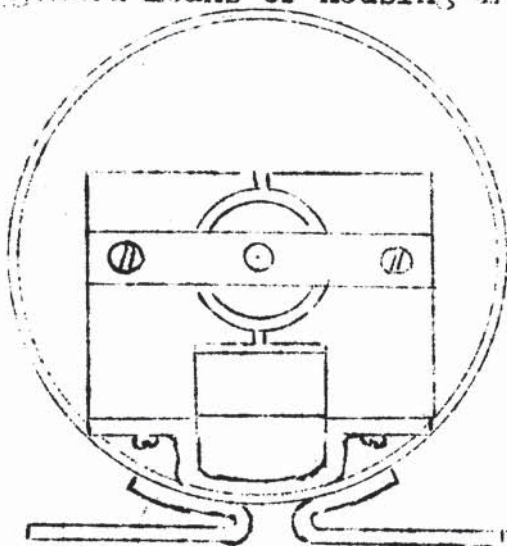
Lester Hendershot tried hard and was sucessful with his motor. Are you a "doubting Thomas"? There were many "doubting Thomases" until the HYDROGEN BOMB was discovered. Twenty years ago did you think you would be watching the inaugeration of President Eisenhower in your own living-room? It could also be a fact that this magnetic motor principle is also related to the principle of the FLYING SAUCERS - who knows, but we aim to find out, or are you too a "DOUBTING THOMAS".

SUNDRIES

magnetic rings	\$15.00
Rotors	\$10.00



Suggested means of housing unit.



DRAWING 1
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PAT. APPLD. FOR

PRINCIPLES OF THE HENDERSHOT MOTOR.

(EARTH)

The Inductor Compass Was used by Col. Chas. Lindberg on his famous flight to Paris, France. The first of these instruments was built by the Pioneer Instrument Company.

It was from one of these instruments that Lester Hendershot built his first successful motor that ran without any outside source of energy.

The Hendershot motor is in essence a FULL-WAVE RECTIFIER, and therefore many versions may be designed and built around this, the ORIGINAL principle.

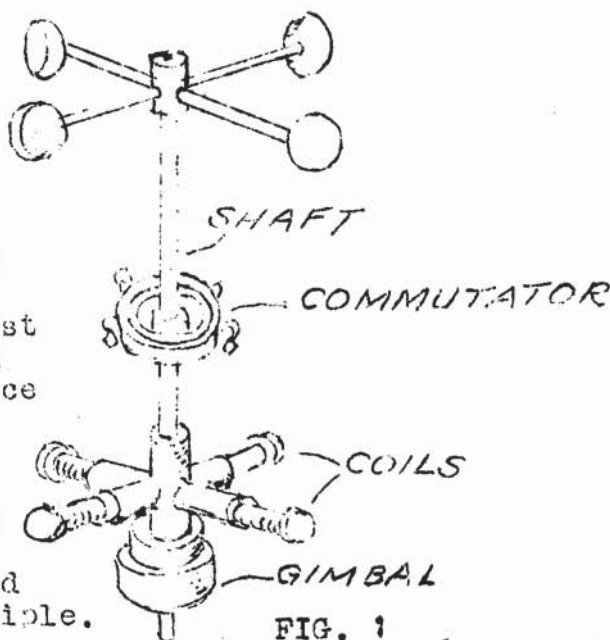


FIG. 1

This is the kind of Earth Inductor Compass Col. Chas. Lindberg used on his Trans-Atlantic flight in '27.

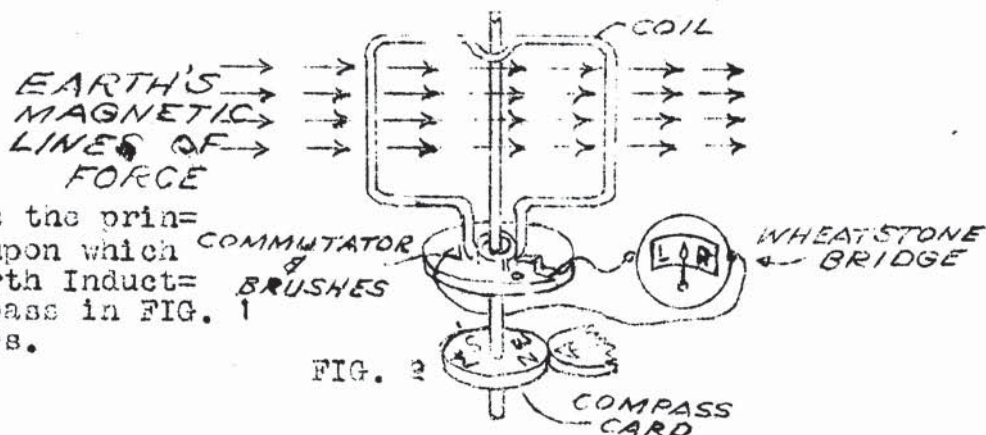


FIG. 2

This is the principle upon which the Earth Inductor Compass in FIG. 1 operates.

Permanent Magnetic ring is used to sensitize area of coils induction for gravitational currents. Coils are wound and connected to produce a closed circuit.

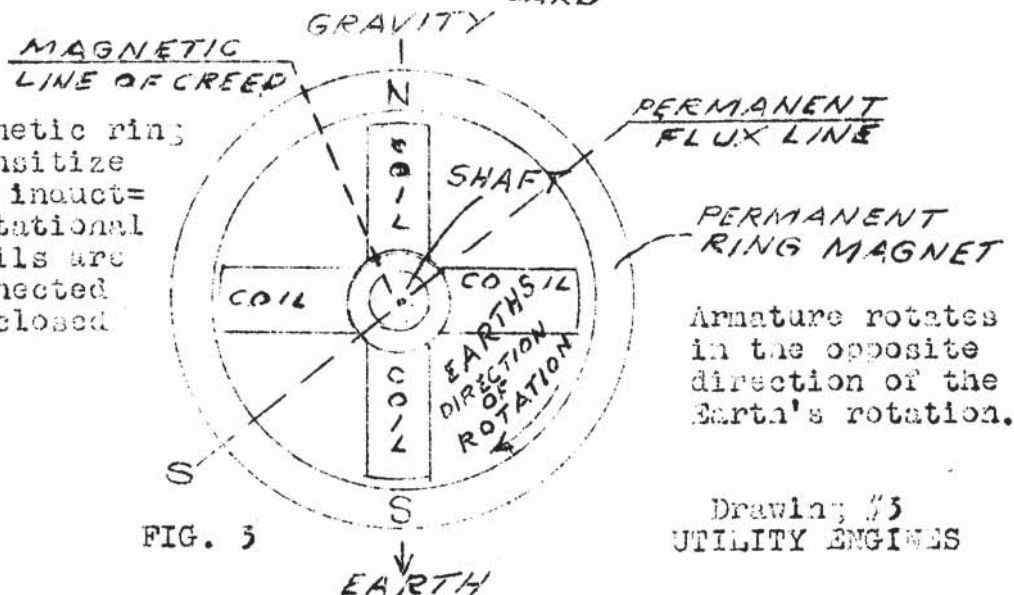


FIG. 3

Drawing #3
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THE EARTH INDUCTOR COMPASS & ROTOR OF THE HENDERSHOT MOTOR.

Use is made of both the earth inductor and the dip circle for the determination of magnetic dip.

Current is generated by the rotation in the earth's horizontal field of a cross-shaped armature rotating on a vertical axis. The vertical position of this axis is preserved by a stationary means.

A four-segment commutator and four collecting brushes, spaced at 90 deg., take off current from the armature. The electromotive force at the two pairs of brushes are the correct designation of the polar axis. The setting of the brushes is so made that when the N-S axis is in a line making an angle 0 with the Magnetic Meridian.

As is the case of an ordinary card compass, or other magnetic bar type compasses, there is no tendency for the needle of the compass to resonate in harmony of any direction of the fields of the magnetic poles of the earth. There are magnetic lines of force which cross one another near the magnetic poles, therefore creating false resonances causing compasses to record accordingly. The greatest and most direct force of the dip needle is sharpest at the magnetic equator where the angle=0 and the horizontal is at its greatest degree.

THE EARTH IS A TREMENDOUS GENERATOR with lines of force represented as COIL WINDINGS. Telegraphically the count of the magnetic lines of force are 1,257 per sq. Cm. in one direction, and 1,850 per sq. Cm. in the other; though do not contact each other if undirected. These lines of force are known as Eddy Currents. The lesser number of the Magnetic lines of force run at right angles to the poles, and the greater number revolve around the earth laterally.

The Earth-Inductor Indicator is used to indicate these lines of force. Use is made of both the Earth-Inductor and the dip needle (dip circle) for the determination of Magnetic dip. Current is generated by the rotation in the Earth's horizontal field of a cross-shaped armature rotating on a vertical axis. A four-segment commutator and four collecting brushes are the correct designation of the polar axis. The setting of the brushes is so made that when the N-S axis is in a line making an angle 0 with the Magnetic Meridian:

$$\sin 0 \cos \theta \\ m \sin \theta / n \theta = 0 \quad (\text{resonance})$$

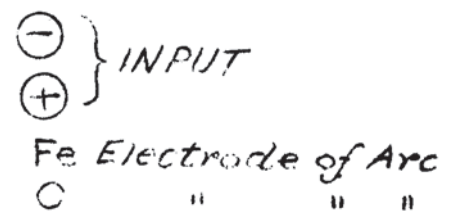
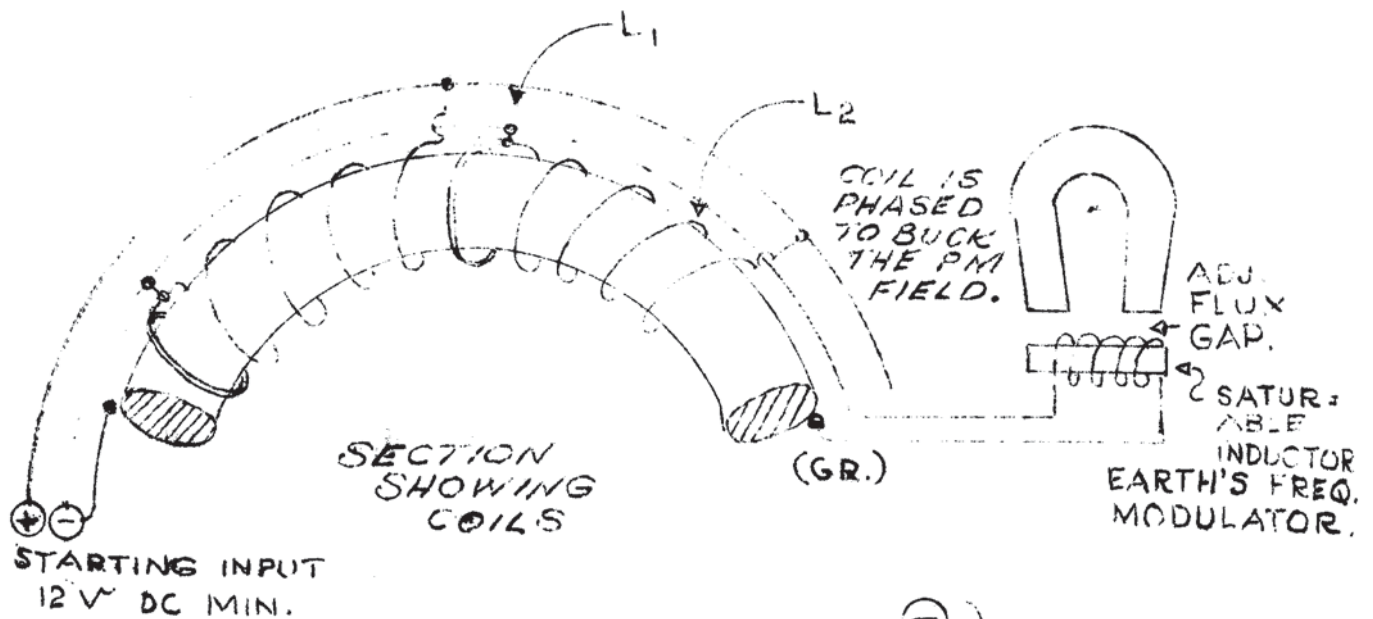
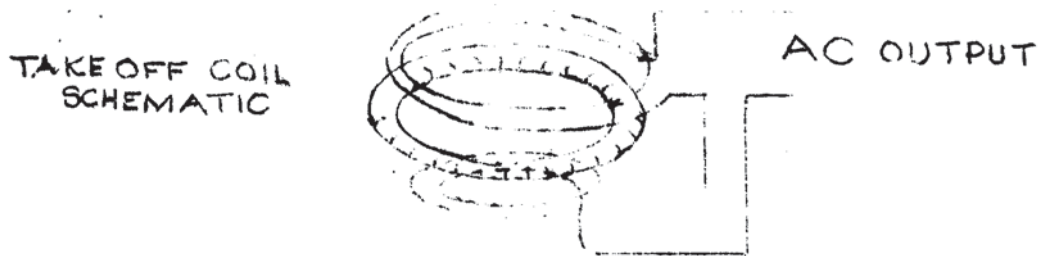
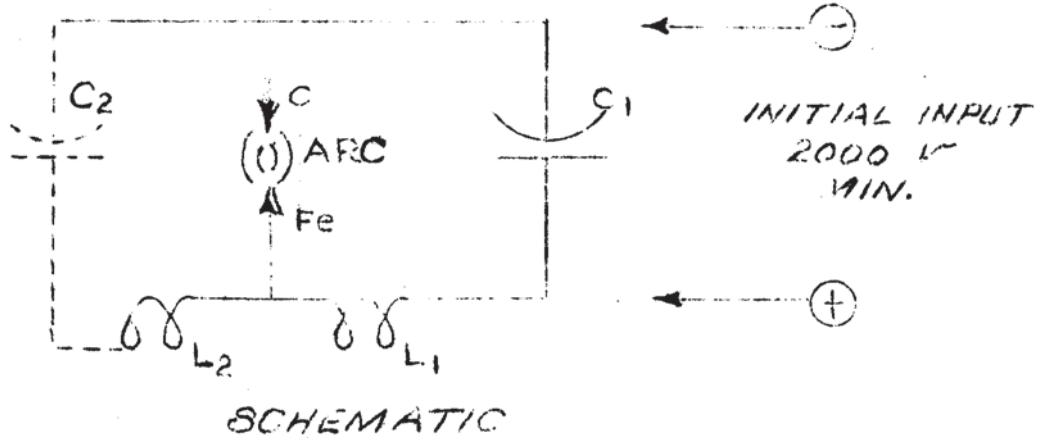
The armature is on each arm with 500 turns of #20 magnetic wire, and arms are connected in series as a closed coil winding. In order to minimize as much friction as is possible, brushes are made of carbon.

HENDERSHOT REVERSED THE ORDER OF HARMONIC RESONANCE and wound EIGHT coils instead of four. One set of four to resonate with the longitudinal lines of Magnetic force, and four coils to resonate with the latitudinal lines of force, and did not wind these coils to harmonize, but to create a disharmony to cause a repelling action at the poles, using iron-copper cores within the coils about the axis as a delayed-action phase in motion between the poles, thus causing a complete and continued rotation of the armature. The "ring" used by Hendershot was energized and used merely as a 'take-off' of energized current by the armature.

The current from the whole Earth is 100 Amperes constant, and the current from a sq. Cm. of the Earth's surface is 2 times 10¹⁰ Amperes.

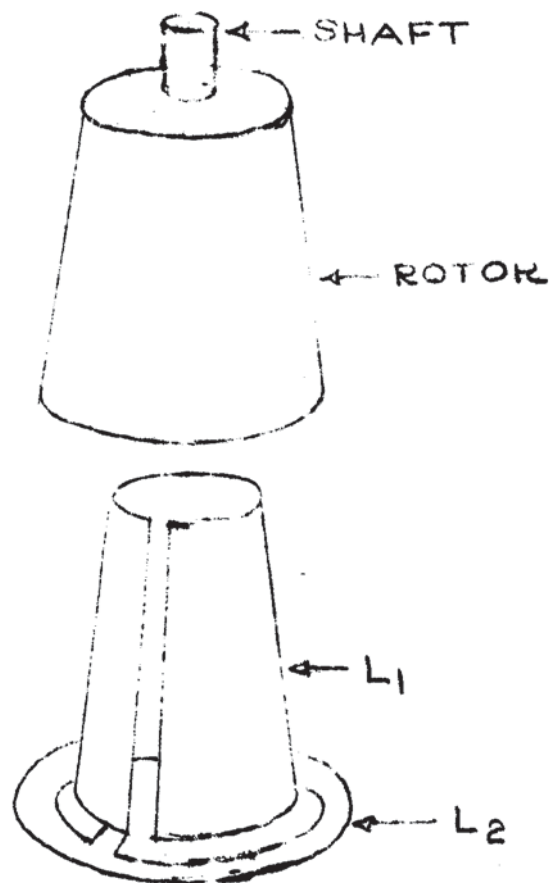
THE MAXWELL LAW) Electric and Magnetic fields, if changing in time generate each other and by their COMBINED action, PROPAGATE ENERGY as waves out into space (Magnetic Lines of Force) with the velocity of light (186,000 mi. per sec.) Lines of LF at 282,000 mi. per sec.

STATOR Wiring Diagram Exclusive of Take off Coils.



UTILITY ENGINES.

ROTOR



*This is the rotary motion you
are after.*

IT IS THE PRINCIPLE WORKINGS
OF THE "MYSTERIOUS FLYING
SAUCERS FROM OUTER SPACE,
WE BELIEVE.

GOOD LUCK
FELLOW EXPERIMENTORS.

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